

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Robert C. TONKS

Application No.: New U.S. Application

Filed: November 21, 2003

Docket No.: 117738

For: COMPRESSOR FOR A GAS TURBINE ENGINE

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 CFR §1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of each reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

- ☒ 1. This Information Disclosure Statement is being filed (a) within three months of the U.S. filing date of this non-CPA application, OR (b) before the mailing date of a first Office Action on the merits in the present application. No certification or fee is required.
- ☒ 2. The references 1-4 were cited in a counterpart foreign application. An English language version of the foreign search report is attached for the Examiner's information.
- ☒ 3. The present application was filed or entered the U.S. National Stage of the PCT after June 30, 2003. In accordance with the June 11, 2003, Notice waiving the requirements of 37 C.F.R. §1.98(a)(2)(i), copies of any U.S. patents and patent application publications are not attached.

Respectfully submitted,



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AUTHORIZATION**

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Form PTO-1449 (REV. 8-83)		US Dept. of Commerce PATENT & TRADEMARK OFFICE		ATTY DOCKET NO. 117738		APPLICATION NO. New U.S. Application	
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)				APPLICANT(S) Robert C. TONKS			
				FILING DATE November 21, 2003		GROUP	

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
	1.	4,900,221	2/13/1990	CIOKAJLO et al.		

FOREIGN PATENT DOCUMENTS						
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS
	2.	WO 02/29252 A1	4/11/2002	WIPO		
	3.	0 043 554 A1	1/13/1982	EUROPE		
	4.	689,353	3/25/1953	GREAT BRITAIN		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)		

EXAMINER	DATE CONSIDERED
Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Date: November 21, 2003



INVESTOR IN PEOPLE

Application No: GB 0228050.1
Claims searched: 1-18

Examiner: Philip Ord
Date of search: 11 June 2003

Patents Act 1977 : Search Report under Section 17

Documents considered to be relevant:

Category	Relevant to claims	Identity of document and passage or figure of particular relevance	
X, Y	X: 1,2,8, 9,13-16 Y: 3-6	GB 689,353	LYSHOLM See figure 1 noting bearing arrangement between axially spaced impellers 10, 11.
Y	3-6	US 4,900,221	GENERAL ELECTRIC COMPANY See figure 1 noting axially spaced fan disks 48, 52 mounted on shaft 58 and position of bearing arrangement 60.
A	-	EP 0 043 554 A1	PRATT & WHITNEY See figure 1 noting bearings 42, 43 between axially spaced impellers 26, 44.
A	-	WO 02/29252 A1	PRATT & WHITNEY See figure 1 noting axially spaced mixed flow rotor 12 and centrifugal flow rotor 17.

Categories:

X	Document indicating lack of novelty or inventive step	A	Document indicating technological background and/or state of the art.
Y	Document indicating lack of inventive step if combined with one or more other documents of same category.	P	Document published on or after the declared priority date but before the filing date of this invention.
&	Member of the same patent family	E	Patent document published on or after, but with priority date earlier than, the filing date of this application.

Field of Search:

Search of GB, EP, WO & US patent documents classified in the following areas of the UKC^v:

F1C

Worldwide search of patent documents classified in the following areas of the IPC⁷:

F01D, F04D

The following online and other databases have been used in the preparation of this search report:

WPI, EPODOC, JAPIO